

Patient and surgeon considerations for revision knee replacement for unexplained, chronic pain

Submission date 11/07/2022	Recruitment status No longer recruiting	<input type="checkbox"/> Prospectively registered <input checked="" type="checkbox"/> Protocol
Registration date 15/12/2023	Overall study status Completed	<input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
Last Edited 09/01/2024	Condition category Surgery	<input type="checkbox"/> Individual participant data <input type="checkbox"/> Record updated in last year

Plain English summary of protocol

Background and study aims

Around one-in-every-five patients reports chronic pain following knee replacement surgery. Many of these patients seek medical help, which prompts the search for a diagnosis to explain their symptoms. However, for a large proportion of patients, no cause is ever found and the pain is said to be 'unexplained'. In this situation, current guidelines recommend initial supportive treatment (for example, with physiotherapy or pain management). Recent evidence suggests around two-thirds of patients will improve with this treatment. However, the remaining one-third of patients remain the same or are worse off. For these patients, the best treatment option is not known, and some patients request a surgical solution. However, surgery to revise a knee replacement for chronic pain is controversial. The surgery itself may be complex and carry a high risk of complications, whilst the odds of an improvement in symptoms are only about 50/50. Our understanding of the important considerations when deciding whether or not to operate for chronic pain are very limited. The aim of this study is to gain a deeper understanding of these considerations from the perspectives of both patients and surgeons. This study will involve interviews with patients and surgeons, which will take place either over the telephone, via videoconference [using Microsoft Teams] or in-person. These interviews will be recorded and analysed using qualitative research methods. This study may benefit patients and surgeons in the future by providing information on the considerations that should be borne in mind when faced with the clinical dilemma of whether to offer revision surgery to treat chronic pain after knee replacement.

Who can participate?

This study is recruiting patients who have unexplained pain after knee replacement and surgeons treating this condition.

What does the study involve?

The study will involve completing a short data collection form to capture information on your background (age, gender, ethnicity, marital status, employment status, dependents, living arrangements, other health conditions, hobbies). This will be followed by an interview where we will ask you about the problems that you have had with your knee replacement, how these have affected you and your thoughts on the role of revision surgery for this problem.

If you decide that you would like to take part, Mr Shiraz Sabah (who is a trainee surgeon undertaking this research as part of a PhD) will contact you to complete a consent form and schedule an interview. The interview will last around an hour. He will discuss with you how you would prefer to be interviewed, with options to do this face-to-face, as a video call or over the telephone. The interview will be audio recorded with consent so that it can be analysed later and sent to an approved transcription service so that it can be typed up word-for-word. The transcription service will be required to delete the recording once the transcript has been returned to us and checked. The researcher will remove information such as names and places that can be used to identify you and add your transcript to our research software under an anonymous identifier (e.g. Participant 1). After we have analysed the interview, we will ask you if you would like to receive a summary to check that we have correctly understood what you told us. We will invite you to provide any feedback or clarifications, but this is optional. We will then write up our findings as a research paper for publication. With your permission, we may use some direct quotations that you have provided us in our reports and publications. These will be anonymised so that they cannot be used to identify you (e.g. Participant 1). We will send you a summary of our main findings at the end of the study.

What are the possible benefits and risks of participating?

This study may not benefit you directly. However, it may benefit patients and surgeons in the future by providing a better understanding of the considerations that are important to you and other patients with chronic pain after knee replacement.

Where is the study run from?

The study is running from the Nuffield Orthopaedic Centre, Oxford and is sponsored by the University of Oxford (UK)

When is the study starting and how long is it expected to run for?

September 2021 to February 2023

Who is funding the study?

National Institute for Health and Care Research (NIHR) (UK).

Who is the main contact?

Mr Shiraz Sabah (shiraz.sabah@ndorms.ox.ac.uk)

Contact information

Type(s)

Scientific

Contact name

Mr Shiraz Sabah

ORCID ID

<http://orcid.org/0000-0003-2401-1372>

Contact details

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Additional identifiers

EudraCT/CTIS number

Nil known

IRAS number

307265

ClinicalTrials.gov number

Nil known

Secondary identifying numbers

IRAS 307265, PID 16001, NIHR301771, CPMS 53552

Study information

Scientific Title

A qualitative research study to explore patient and surgeon considerations for revision knee replacement for unexplained, chronic pain

Acronym

Qual rTKR

Study objectives

The purpose of this study is to find out what is important to patients and surgeons when considering further surgery to the knee to treat unexplained, chronic pain after knee replacement

Ethics approval required

Old ethics approval format

Ethics approval(s)

Approved 20/04/2022 - HRA and Health and Care Research Wales (Health and Care Research Wales Support and Delivery Centre, Castlebridge 4, 15-19 Cowbridge Road East, Cardiff, CF11 9AB, UK; +44 7976 982591; Wales.REC4@wales.nhs.uk), ref: 22/WA/0090

Study design

Qualitative research study

Primary study design

Observational

Secondary study design

Qualitative research

Study setting(s)

Hospital

Study type(s)

Other

Participant information sheet

See additional files

Health condition(s) or problem(s) studied

Patients with painful total knee replacements and surgeons treating those patients

Interventions

Participants who enrol will complete a study questionnaire and undergone one qualitative interview (lasting around one hour).

Participants will be given the option to review their full interview transcript or a summary of it, but will not otherwise be followed up.

Intervention Type

Procedure/Surgery

Primary outcome measure

To gain a deeper understanding of the important considerations surrounding the decision to operate for unexplained chronic pain after knee replacement and the outcomes most important to patients and surgeons.

Secondary outcome measures

There are no secondary outcome measures

Overall study start date

14/09/2021

Completion date

28/02/2023

Eligibility**Key inclusion criteria**

1. Participant is willing and able to give informed consent for participation in the study (including audio recording of interview).
2. Male or Female, aged 18 years or above.
3. Diagnosed with unexplained pain at least 1 year after total knee replacement (Patients only).
4. Currently treats patients with painful knee replacements (Surgeons only).

Participant type(s)

Patient

Age group

Adult

Sex

Both

Target number of participants

10-15 patients; 10-15 surgeons

Key exclusion criteria

Non-fluent English speaker (because translation is a form of interpretation)

Date of first enrolment

12/07/2022

Date of final enrolment

01/12/2022

Locations**Countries of recruitment**

England

United Kingdom

Study participating centre

Nuffield Orthopaedic Centre NHS Trust

Windmill Road

Headington

Oxford

United Kingdom

OX3 7LD

Sponsor information**Organisation**

University of Oxford

Sponsor details

Joint Research Office

Boundary Brook House

Churchill Drive

Headington

Oxford

England

United Kingdom

OX3 7GB
+44 1865 616480
ctrng@admin.ox.ac.uk

Sponsor type

University/education

Website

<https://www.ndorms.ox.ac.uk/>

ROR

<https://ror.org/052gg0110>

Funder(s)

Funder type

Government

Funder Name

National Institute for Health and Care Research

Alternative Name(s)

National Institute for Health Research, NIHR Research, NIHRresearch, NIHR - National Institute for Health Research, NIHR (The National Institute for Health and Care Research), NIHR

Funding Body Type

Government organisation

Funding Body Subtype

National government

Location

United Kingdom

Results and Publications

Publication and dissemination plan

Planned publication in a high-impact peer reviewed journal.
Chapter of DPhil (PhD) thesis.

Intention to publish date

01/04/2023

Individual participant data (IPD) sharing plan

Not available under terms of research ethics approval.

IPD sharing plan summary

Not expected to be made available

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Participant information sheet	version 1.1	14/04/2022	12/07/2022	No	Yes
Protocol file	version 1.1	14/04/2022	12/07/2022	No	No